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(71) Applicant (for all designated States except US): TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) [SE/SE]; S-164 83 Stockholm (SE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): LARSSON, Peter [SE/SE]; Ballongatan 2, 1tr, S-169 71 Solna (SE). JOHANSSON, Niklas [SE/SE]; Töjnavägen 27A, S-191 34 Sollentuna (SE).

(74) Agent: AROS PATENT AB; P.O. Box 1544, S-751 45 Uppsala (SE).

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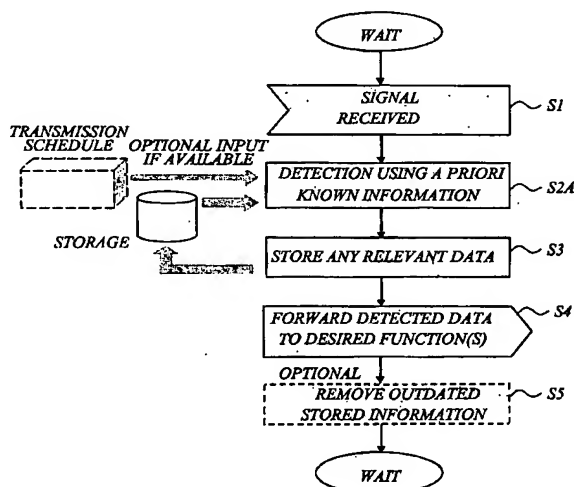
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(54) Title: INTERFERENCE CANCELLATION IN WIRELESS RELAYING NETWORKS



(57) Abstract: In accordance with the invention, signal information representative of a first set of information to be transmitted more than one time over at least one link is stored as a *a priori known* signal information. This could be previously received and/or, detected information, own transmitted information or otherwise available relevant signal information in the node. Signal information representative of a second set of information is received, wherein a transmission of the first set of information interferes with the reception of the second set of information. In spite of the interference, at least part of the second set of information can still be successfully be detected by exploiting the received signal information and at least part of the previously stored *a priori known* signal information. The information is detected by interference cancellation based on the received signal information and relevant parts of the *a priori known* information. The set of priori known signal information is preferably updated by continuously storing newly detected information.